

L15 ANSWER 74 OF 76 CAPLUS COPYRIGHT 2003 ACS on STN
 AB Compds. 4-(A-B-O)C6H4-Q-CHZCO2R1 [A = (un)substituted Ph, heterocyclyl, fused bicyclic ring; B = alkylene, heterocyclyl; Q = alkylene; R1 = H, alkyl; Z = alkylenophenyl, NR3R4 (R3 = H, alkyl; R4 = YXOTR5, YCH(OH)TR5 with Y = bond, alkylene, alkenylene, cycloalkylene, etc. and T = bond, O, etc. and R5 = alkyl, cycloalkyl, (un)substituted Ph)] were prepd. and their agonist activity to PPAR-gamma detd. E.g., O-benzyl L-tyrosine, dicyclohexylamine, and 1-benzoylacetone were refluxed in MeOH to give 3-(4-benzyloxyphenyl)-2(S)-(1-methyl-3-oxo-3-phenylpropenylamino)propionic acid dicyclohexylamine salt.

ACCESSION NUMBER: 1997:594721 CAPLUS
 DOCUMENT NUMBER: 127:278064
 TITLE: Substituted 4-hydroxyphenylalkanoic acid derivatives with agonist activity to PPAR-gamma
 INVENTOR(S): Willson, Timothy Mark; Mook, Robert Anthony, Jr.; Kaldor, Istvan; Henke, Brad Richard; Deaton, David Norman; Collins, Jon Loren; Cobb, Jeffrey Edmond; et al.
 PATENT ASSIGNEE(S): Glaxo Group Ltd., UK; Willson, Timothy Mark; Mook, Robert Anthony, Jr.; Kaldor, Istvan; Henke, Brad Richard; Deaton, David Norman
 SOURCE: PCT Int. Appl., 157 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

check this reference and apply if applicable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9731907	A1	19970904	WO 1997-EP916	19970226
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
CA 2247443	AA	19970904	CA 1997-2247443	19970226
AU 9720935	A1	19970916	AU 1997-20935	19970226
AU 717699	B2	20000330		
ZA 9701645	A	19971210	ZA 1997-1645	19970226
EP 888317	A1	19990107	EP 1997-906130	19970226
EP 888317	B1	20010912		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI			
CN 1218460	A	19990602	CN 1997-193988	19970226
CN 1093124	B	20021023		
BR 9707786	A	19990727	BR 1997-7786	19970226
JP 2000507216	T2	20000613	JP 1997-530586	19970226
JP 3255930	B2	20020212		
NZ 331381	A	20000623	NZ 1997-331381	19970226
IL 125796	A1	20010614	IL 1997-125796	19970226
AT 205485	E	20010915	AT 1997-906130	19970226
ES 2163125	T3	20020116	ES 1997-906130	19970226
SK 282753	B6	20021203	SK 1998-1163	19970226
TW 391958	B	20000601	TW 1997-86102826	19970307
US 6294580	B1	20010925	US 1998-125750	19980825

NO 9803940 A 19981027 NO 1998-3940 19980827
HK 1015369 A1 20020215 HK 1999-100498 19990205
PRIORITY APPLN. INFO.: GB 1996-4242 A 19960228
WO 1997-EP916 W 19970226

OTHER SOURCE(S): MARPAT 127:278064

IT 196808-45-4P 196808-48-7P 196808-49-8P
196808-50-1P 196808-52-3P 196808-58-9P
196808-84-1P 196808-86-3P 196808-89-6P
196808-90-9P 196808-91-0P 196809-02-6P
196809-15-1P 196809-16-2P 196809-18-4P
196809-19-5P 196809-20-8P 196809-21-9P
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196809-25-3P 196809-27-5P 196809-28-6P
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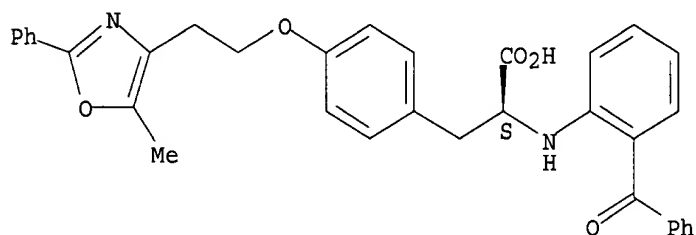
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of (hydroxyphenyl)alkanoic acids with agonist activity to PPAR-gamma)

RN 196808-45-4 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)

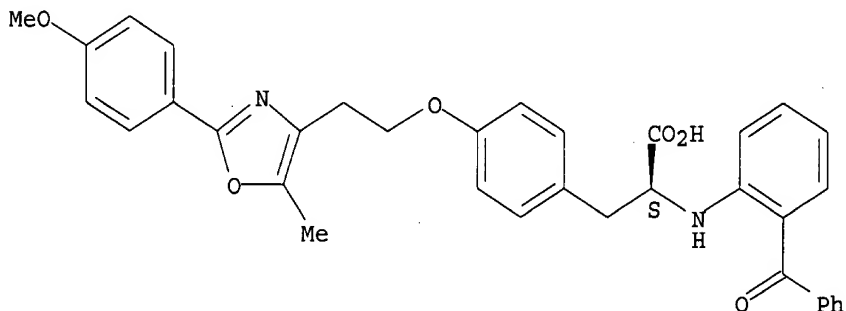
Absolute stereochemistry.



RN 196808-48-7 CAPLUS

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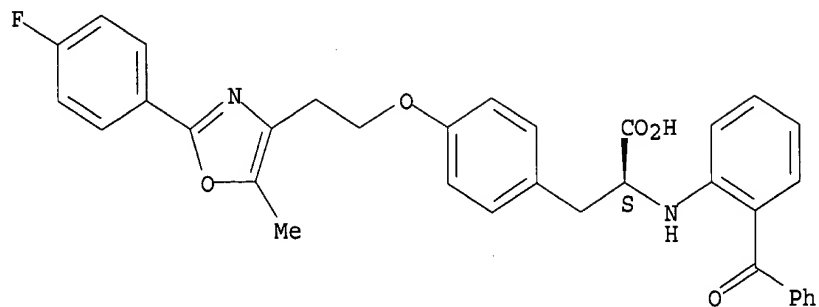
Absolute stereochemistry.



RN 196808-49-8 CAPLUS

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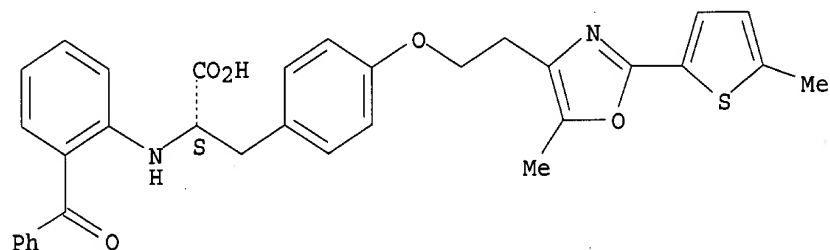
Absolute stereochemistry.



RN 196808-50-1 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(5-methyl-2-thienyl)-4-oxazolyloxy]ethyl]- (9CI) (CA INDEX NAME)

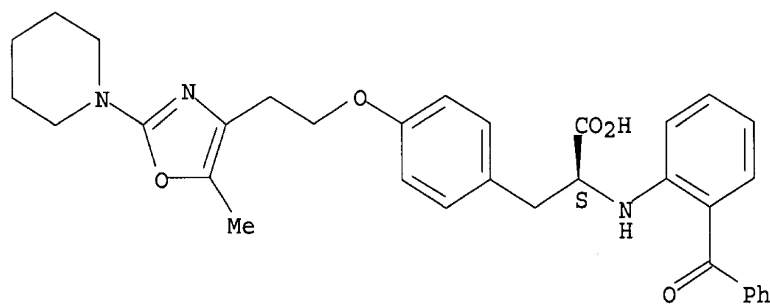
Absolute stereochemistry.



RN 196808-52-3 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(1-piperidinyl)-4-oxazolyloxy]ethyl]- (9CI) (CA INDEX NAME)

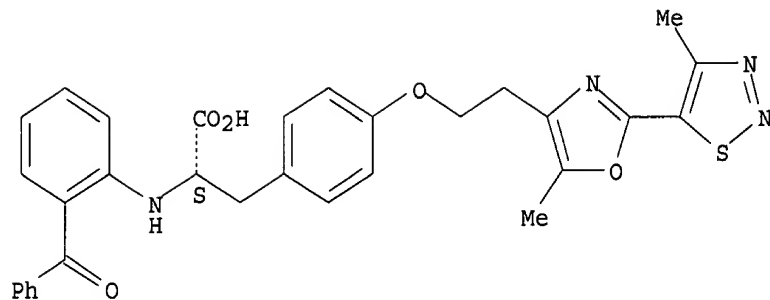
Absolute stereochemistry.



RN 196808-58-9 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(4-methyl-1,2,3-thiadiazol-5-yl)-4-oxazolyloxy]ethyl]- (9CI) (CA INDEX NAME)

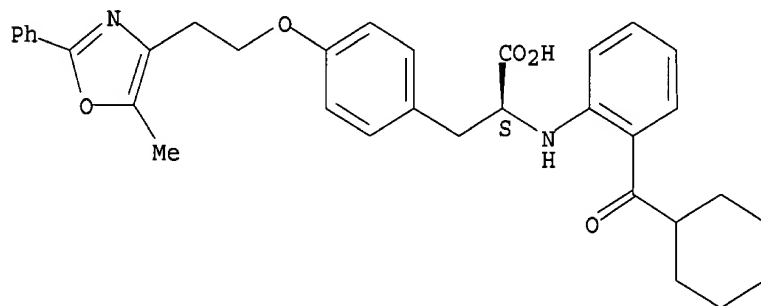
Absolute stereochemistry.



RN 196808-84-1 CAPLUS

CN L-Tyrosine, N-[2-(cyclohexylcarbonyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)

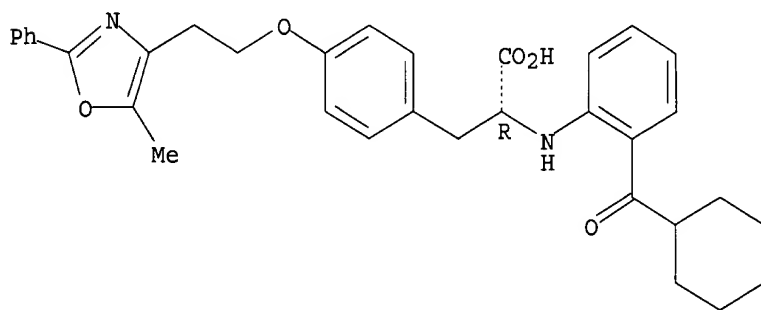
Absolute stereochemistry.



RN 196808-86-3 CAPLUS

CN D-Tyrosine, N-[2-(cyclohexylcarbonyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)

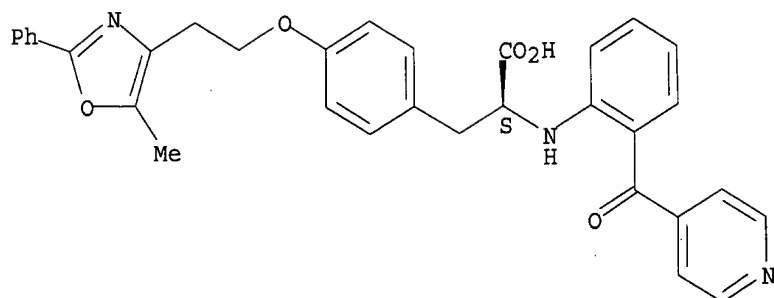
Absolute stereochemistry.



RN 196808-89-6 CAPLUS

CN L-Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-(4-pyridinylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)

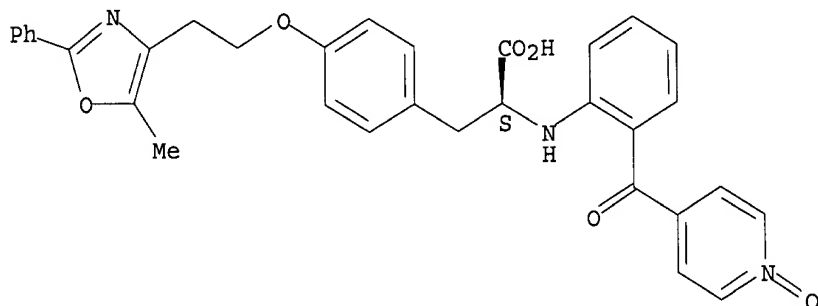
Absolute stereochemistry.



RN 196808-90-9 CAPLUS

CN L-Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-[(1-oxido-4-pyridinyl)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

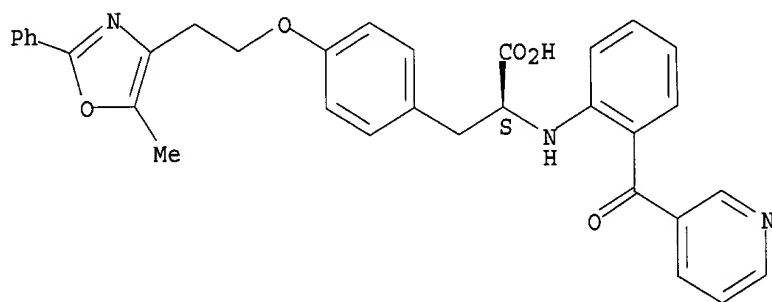
Absolute stereochemistry.



RN 196808-91-0 CAPLUS

CN L-Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-(3-pyridinylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)

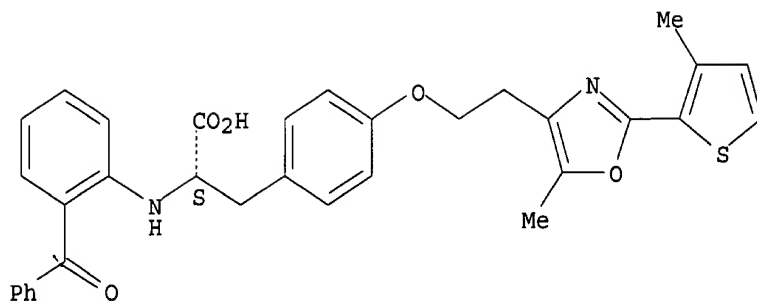
Absolute stereochemistry.



RN 196809-02-6 CAPLUS

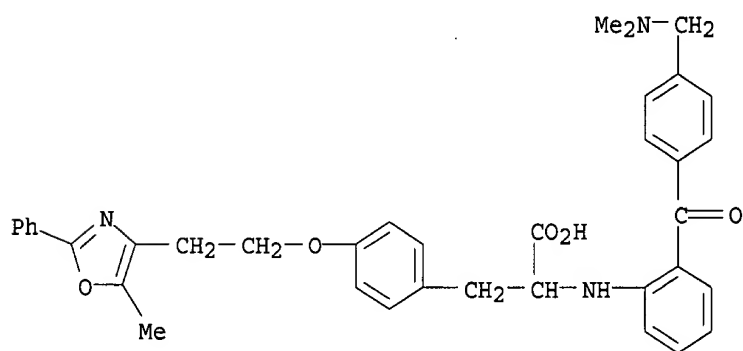
CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(3-methyl-2-thienyl)-4-oxazolyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 196809-15-1 CAPLUS

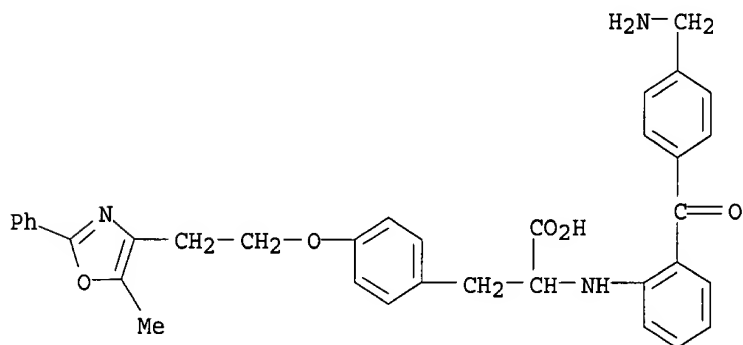
CN Tyrosine, N-[2-[4-[(dimethylamino)methyl]benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)



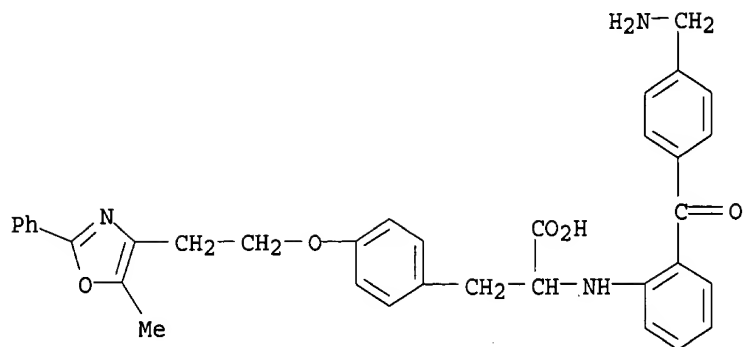
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RN 196809-16-2 CAPLUS

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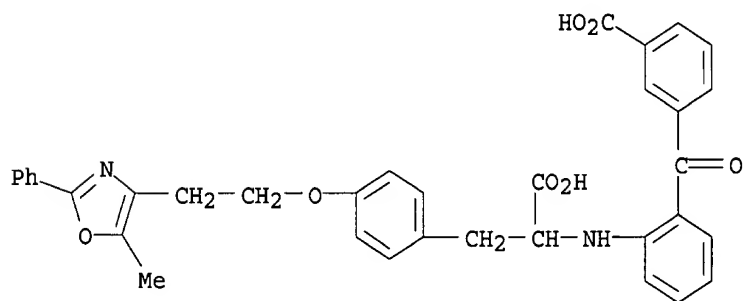
HCl



● HCl

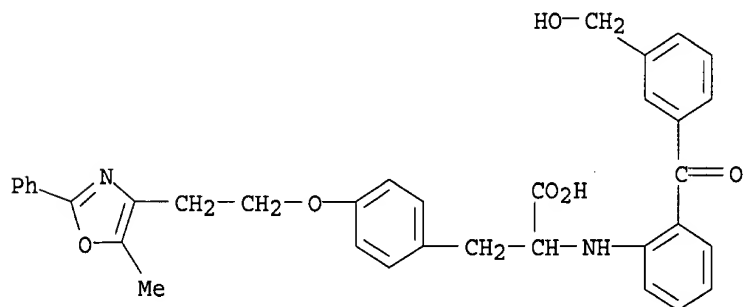
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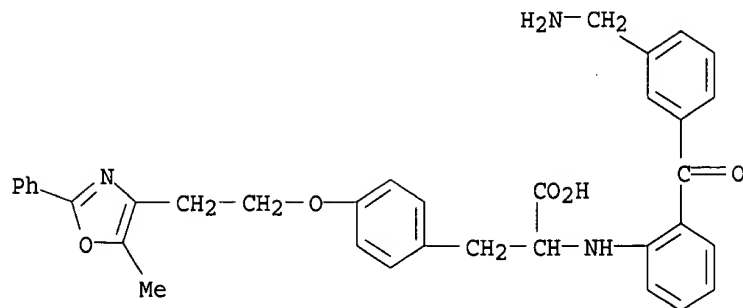
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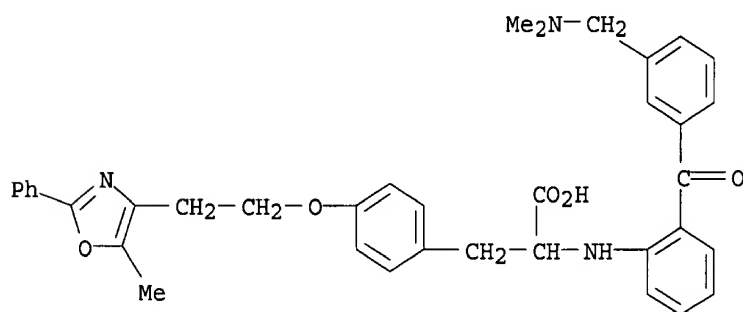
CN Tyrosine, N-[2-[3-(aminomethyl)benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 196809-21-9 CAPLUS

CN Tyrosine, N-[2-[3-[(dimethylamino)methyl]benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

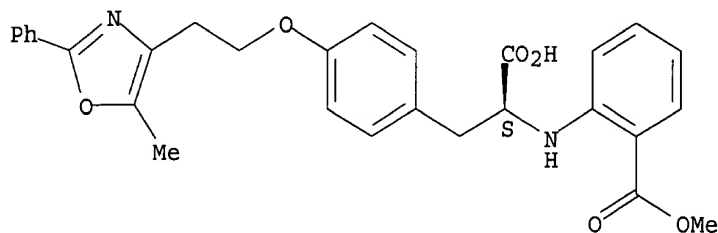


● HCl

RN 196809-22-0 CAPLUS

CN L-Tyrosine, N-[2-(methoxycarbonyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)

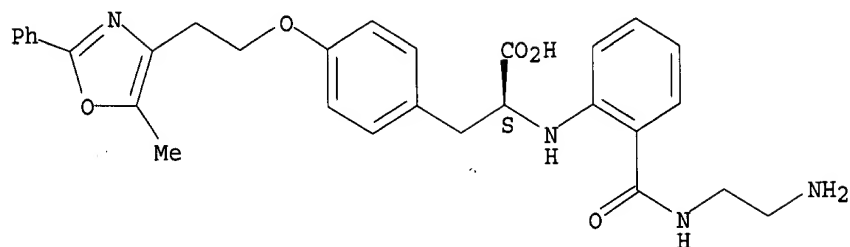
Absolute stereochemistry.



RN 196809-23-1 CAPLUS

CN L-Tyrosine, N-[2-[[2-(2-aminoethyl)amino]carbonyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

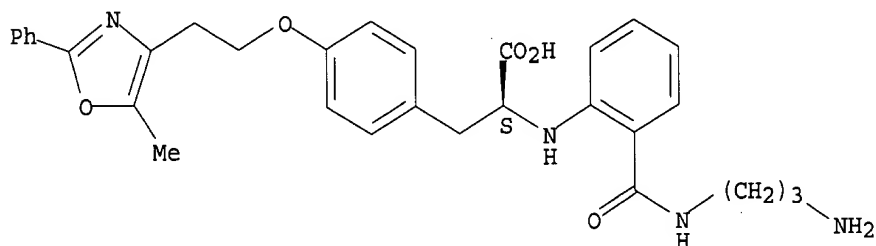


● HCl

RN 196809-24-2 CAPLUS

CN L-Tyrosine, N-[2-[[3-(aminopropyl)amino]carbonyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

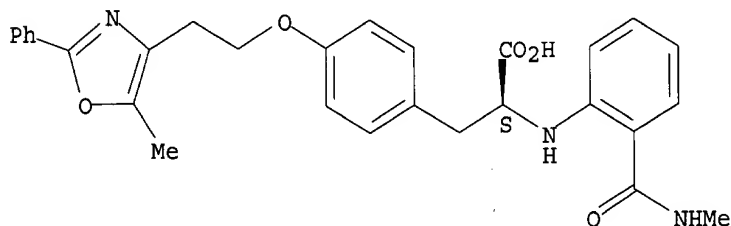


● HCl

RN 196809-25-3 CAPLUS

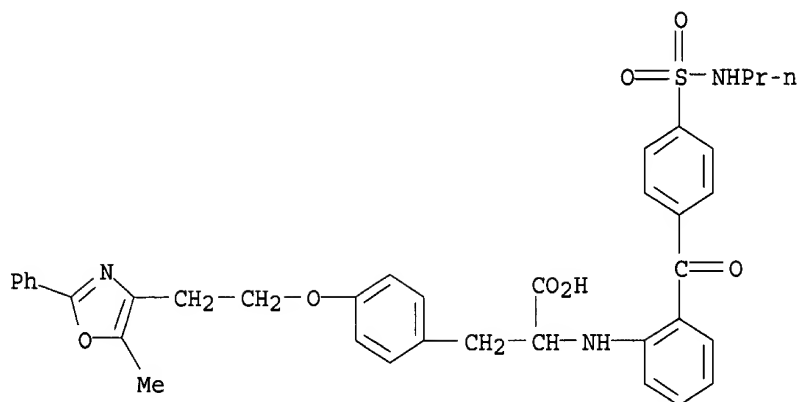
CN L-Tyrosine, N-[2-[(methylamino)carbonyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



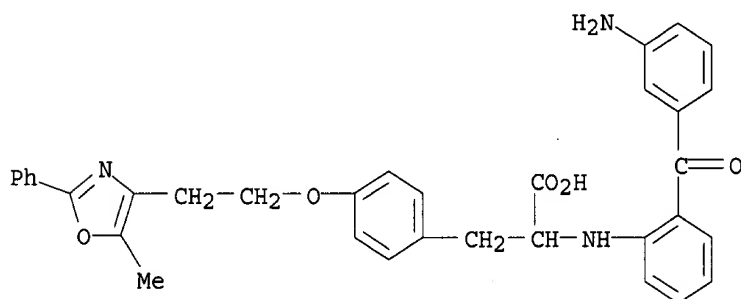
RN 196809-27-5 CAPLUS

CN Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-[4-[(propylamino)sulfonyl]benzoyl]phenyl]- (9CI) (CA INDEX NAME)



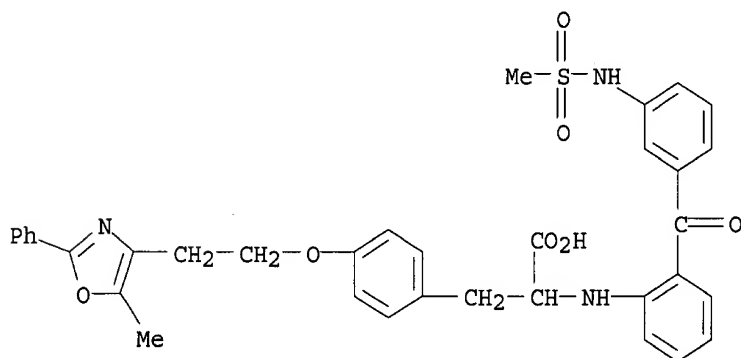
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CN Tyrosine, N-[2-(3-aminobenzoyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)



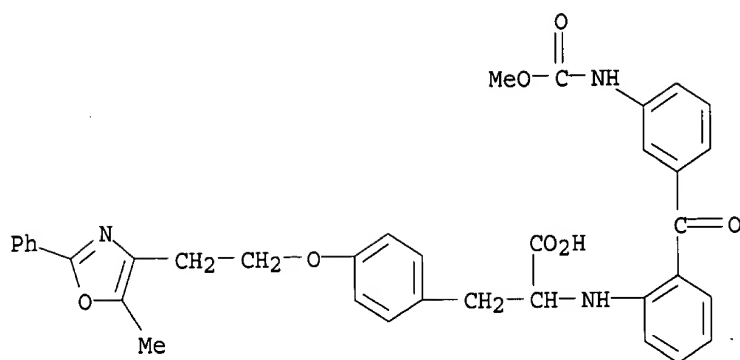
RN 196809-29-7 CAPLUS

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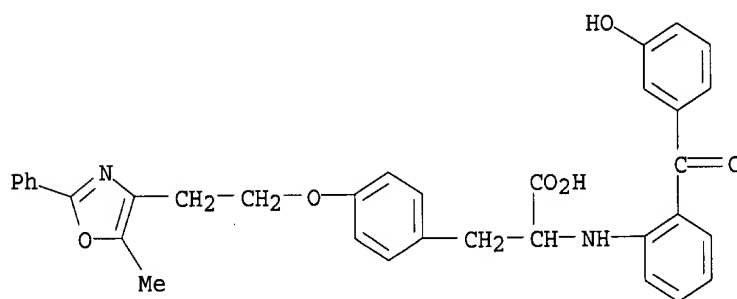
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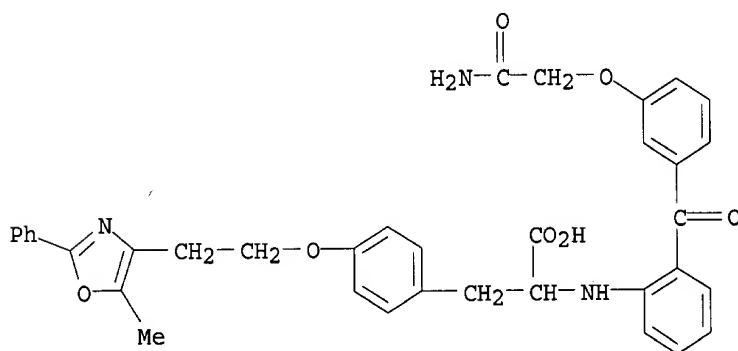
RN 196809-31-1 CAPLUS

CN Tyrosine, N-[2-(3-hydroxybenzoyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)



RN 196809-32-2 CAPLUS

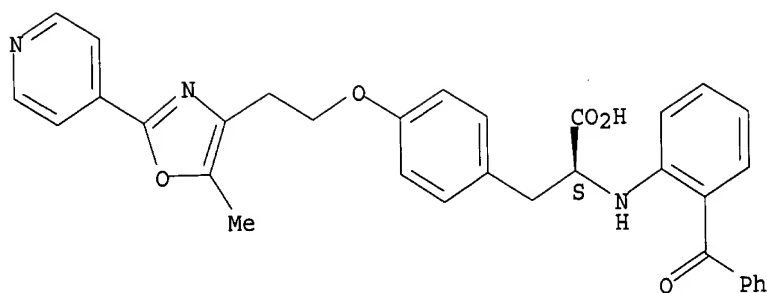
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RN 196809-33-3 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(4-pyridinyl)-4-oxazolyl]ethyl]- (9CI) (CA INDEX NAME)

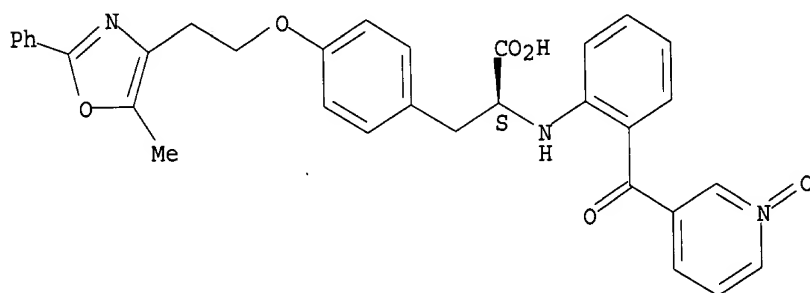
Absolute stereochemistry.



RN 196814-71-8 CAPLUS

CN L-Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-[(1-oxido-3-pyridinyl)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



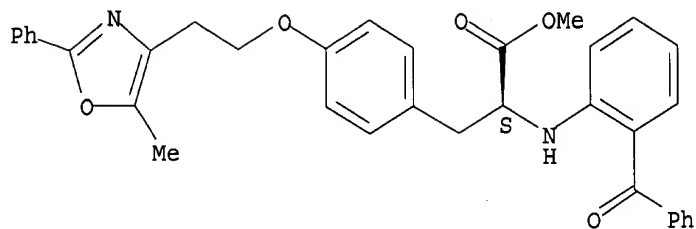
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RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (prepn. of (hydroxyphenyl)alkanoic acids with agonist activity to
 PPAR-gamma)

RN 196810-20-5 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-
 , methyl ester (9CI) (CA INDEX NAME)

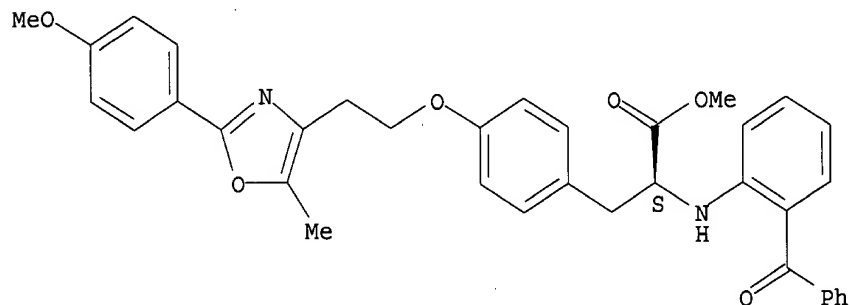
Absolute stereochemistry.



RN 196810-27-2 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[2-(4-methoxyphenyl)-5-methyl-4-oxazolyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

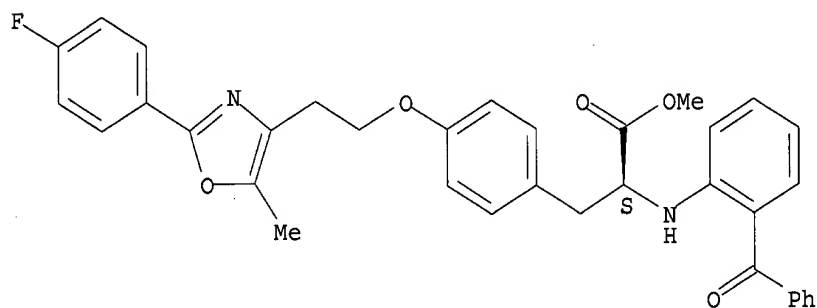
Absolute stereochemistry.



RN 196810-32-9 CAPLUS

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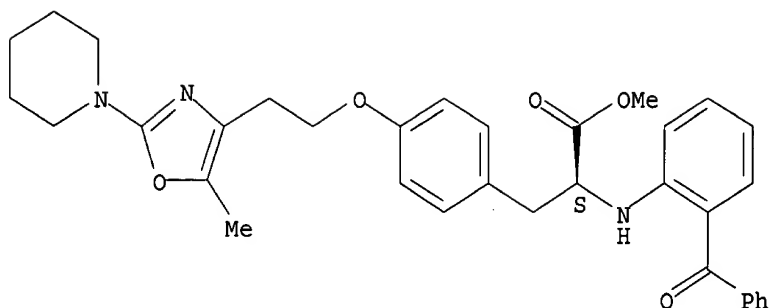
Absolute stereochemistry.



RN 196810-37-4 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(1-piperidinyl)-4-oxazolyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

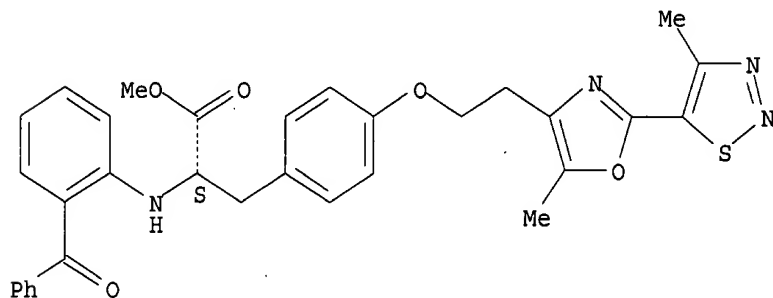
Absolute stereochemistry.



RN 196810-51-2 CAPLUS

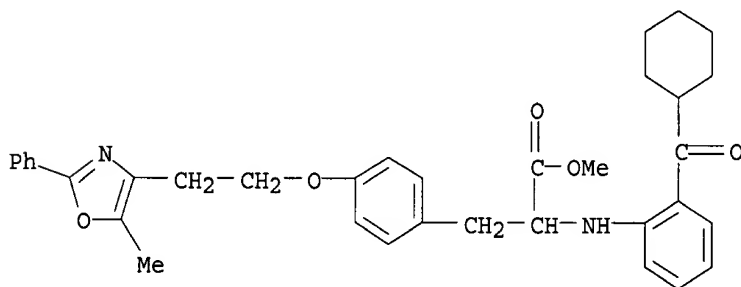
CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(4-methyl-1,2,3-thiadiazol-5-yl)-4-oxazolyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 196810-72-7 CAPLUS

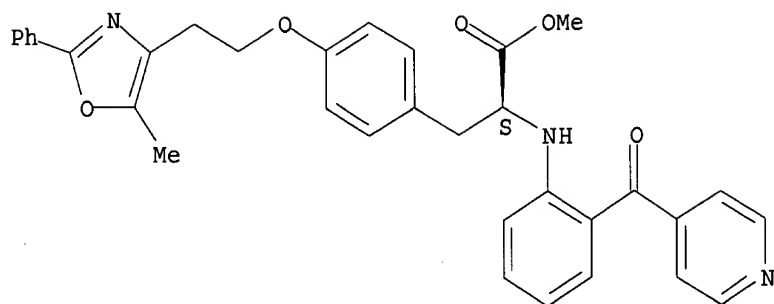
CN Tyrosine, N-[2-(cyclohexylcarbonyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 196810-75-0 CAPLUS

CN L-Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-(4-pyridinylcarbonyl)phenyl]-, methyl ester (9CI) (CA INDEX NAME)

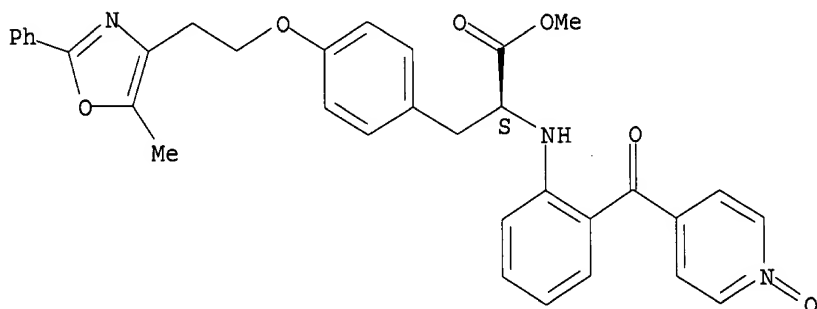
Absolute stereochemistry.



RN 196810-76-1 CAPLUS

CN L-Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-[(1-oxido-4-pyridinyl)carbonyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)

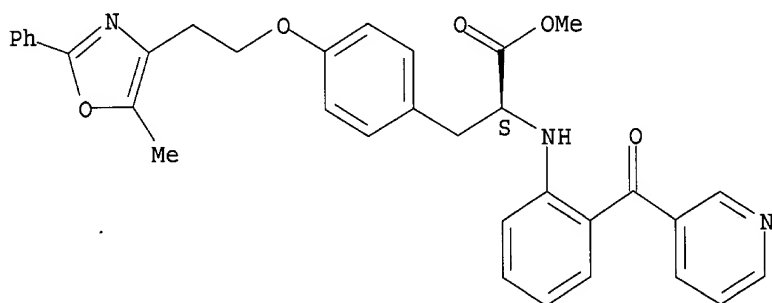
Absolute stereochemistry.



RN 196810-77-2 CAPLUS

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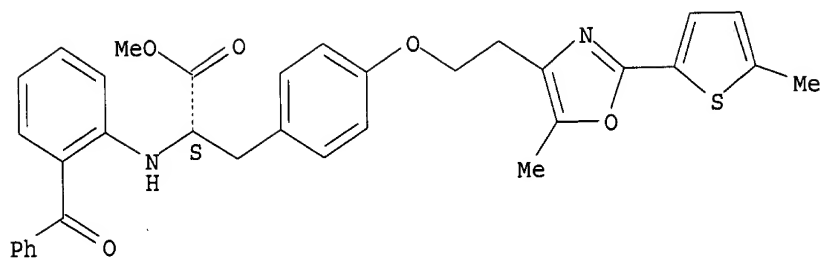
Absolute stereochemistry.



RN 196810-96-5 CAPLUS

CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(5-methyl-2-thienyl)-4-oxazolyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

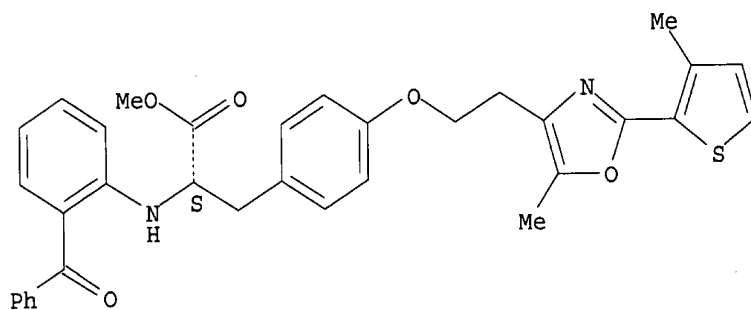
Absolute stereochemistry.



RN 196810-97-6 CAPLUS

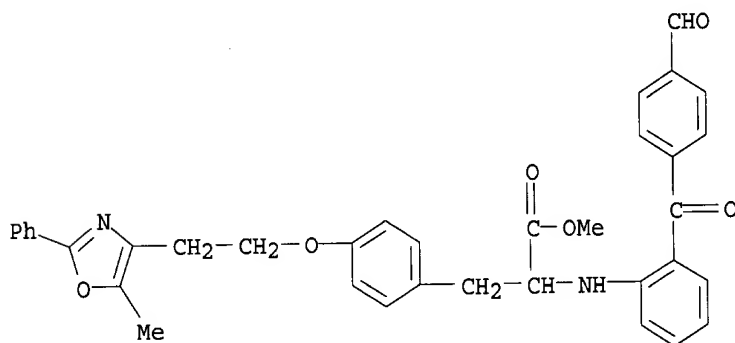
CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(3-methyl-2-thienyl)-4-oxazolyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



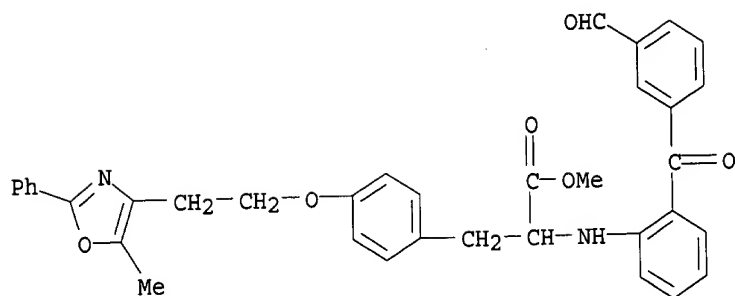
RN 196811-07-1 CAPLUS

CN Tyrosine, N-[2-(4-formylbenzoyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 196811-08-2 CAPLUS

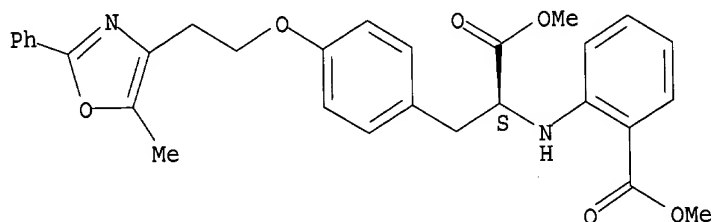
CN Tyrosine, N-[2-(3-formylbenzoyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 196811-09-3 CAPLUS

CN L-Tyrosine, N-[2-(methoxycarbonyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)

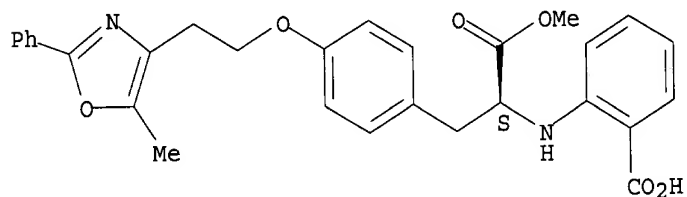
Absolute stereochemistry.



RN 196811-12-8 CAPLUS

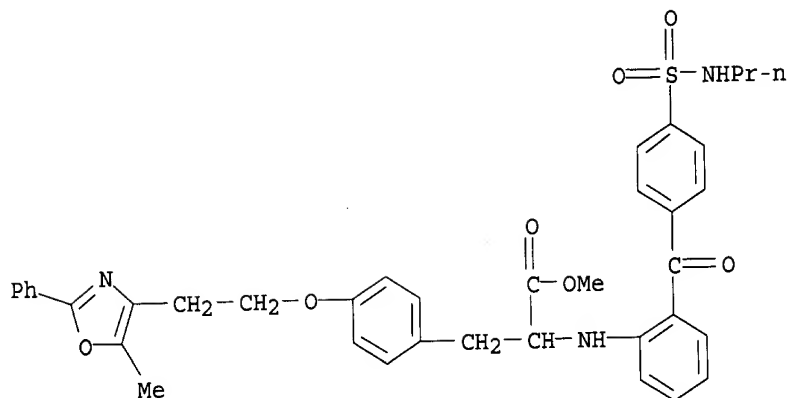
CN L-Tyrosine, N-(2-carboxyphenyl)-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, .alpha.-methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



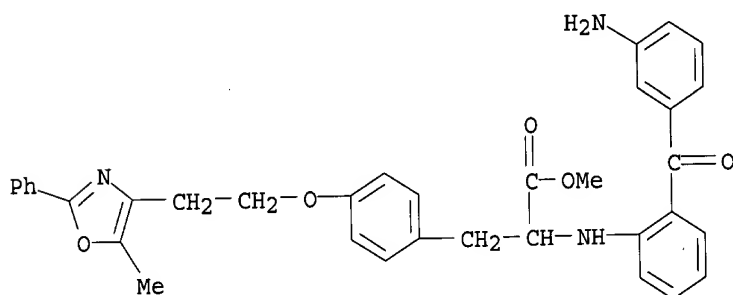
RN 196811-30-0 CAPLUS

CN Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-[4-[(propylamino)sulfonyl]benzoyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



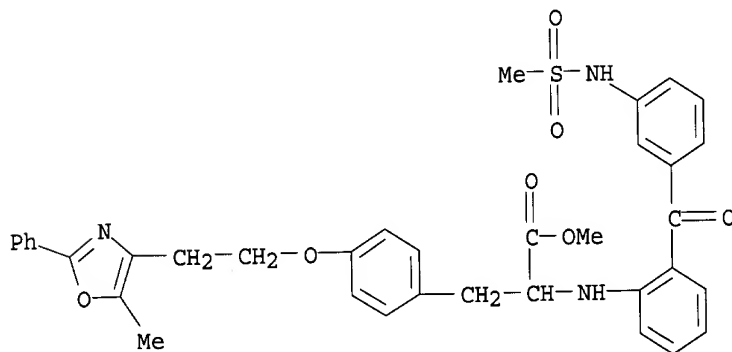
RN 196811-34-4 CAPLUS

CN Tyrosine, N-[2-(3-aminobenzoyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolylethyl)]-, methyl ester (9CI) (CA INDEX NAME)



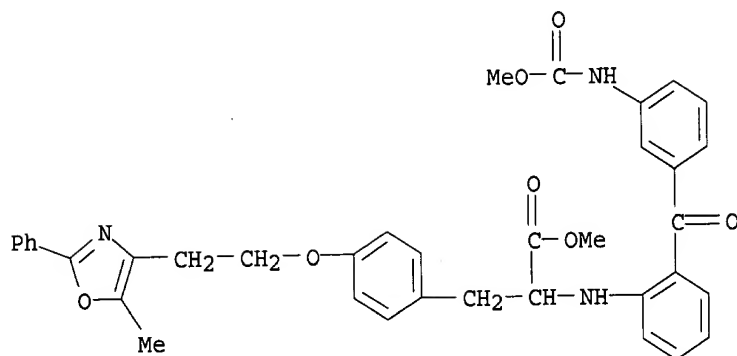
RN 196811-37-7 CAPLUS

CN Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolylethyl)]-N-[2-[3-[(methylsulfonyl)amino]benzoyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



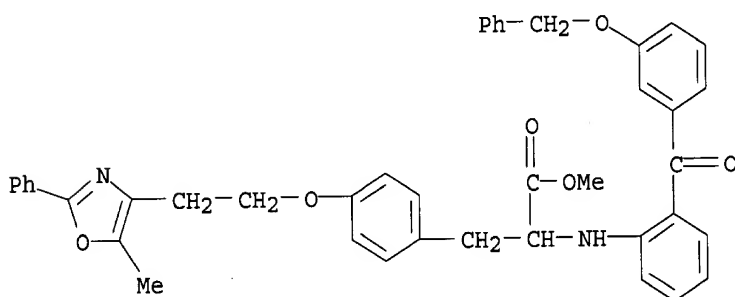
RN 196811-40-2 CAPLUS

CN Tyrosine, N-[2-[3-[(methoxycarbonyl)amino]benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolylethyl)]-, methyl ester (9CI) (CA INDEX NAME)



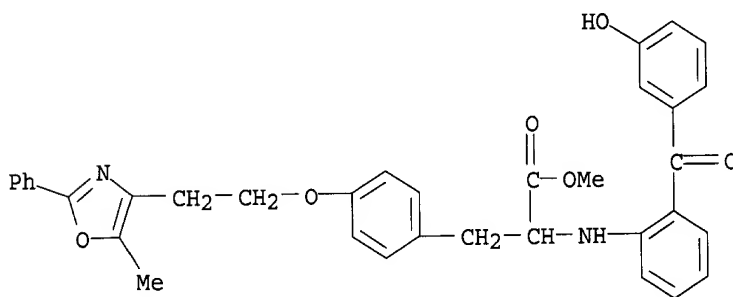
RN 196811-43-5 CAPLUS

CN Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-[3-(phenylmethoxy)benzoyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



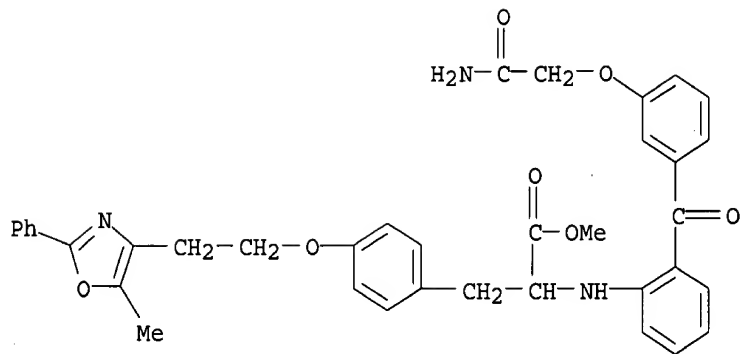
RN 196811-46-8 CAPLUS

CN Tyrosine, N-[2-(3-hydroxybenzoyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 196811-49-1 CAPLUS

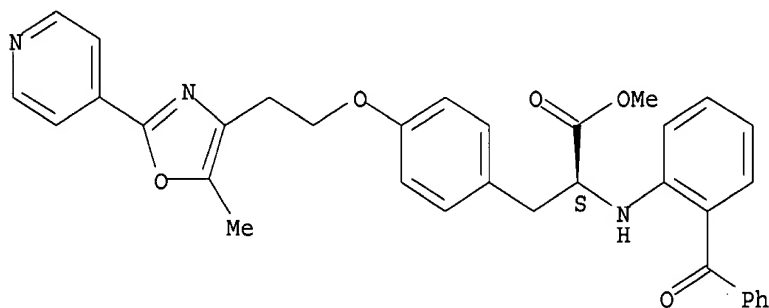
CN Tyrosine, N-[2-[3-(2-amino-2-oxoethoxy)benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 196811-64-0 CAPLUS

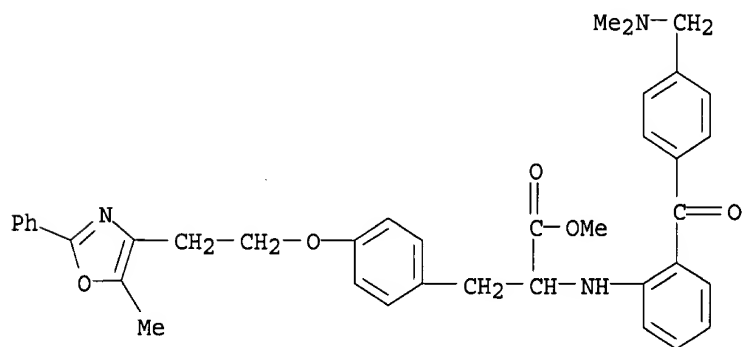
CN L-Tyrosine, N-(2-benzoylphenyl)-O-[2-[5-methyl-2-(4-pyridinyl)-4-oxazolyl]ethyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 196812-04-1 CAPLUS

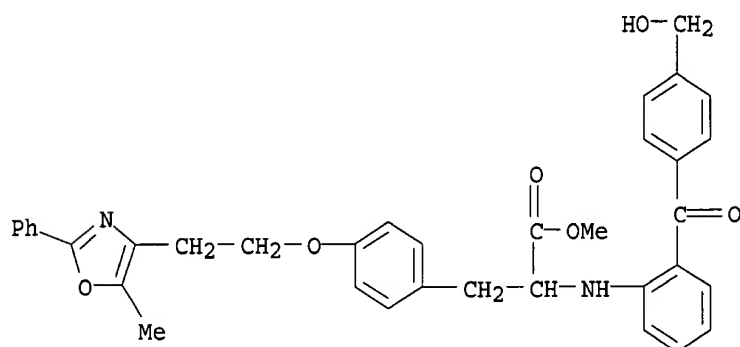
CN Tyrosine, N-[2-[4-[(dimethylamino)methyl]benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



HCl

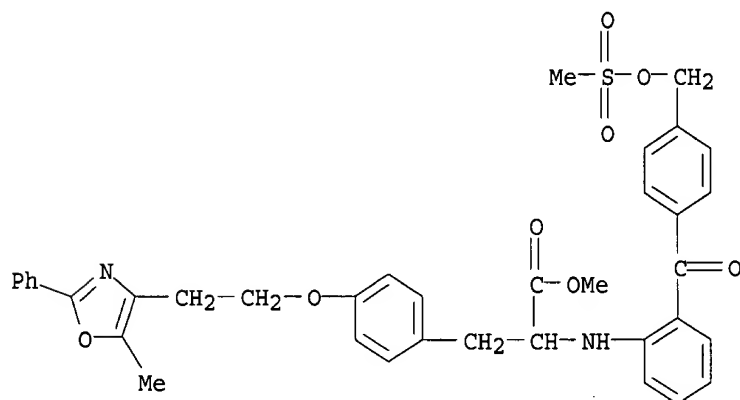
RN 196812-05-2 CAPLUS

CN Tyrosine, N-[2-[4-(hydroxymethyl)benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



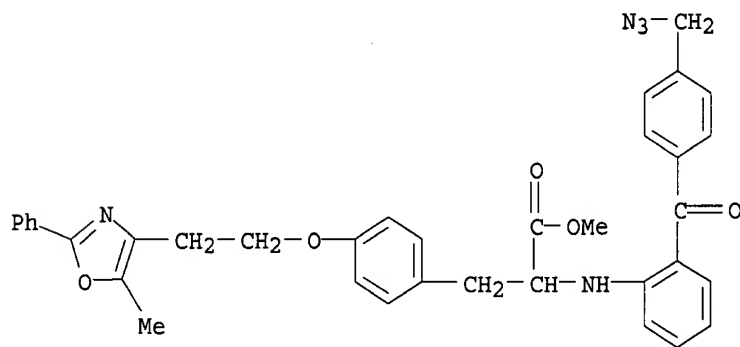
RN 196812-06-3 CAPLUS

CN Tyrosine, O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-N-[2-[4-[(methylsulfonyl)oxy]methyl]benzoyl]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



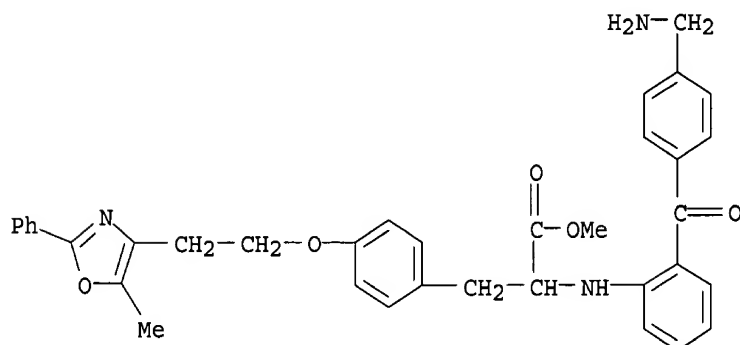
RN 196812-07-4 CAPLUS

CN Tyrosine, N-[2-[4-(azidomethyl)benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



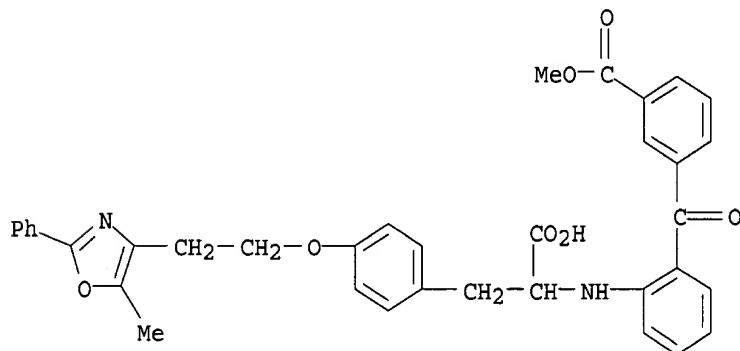
RN 196812-08-5 CAPLUS

CN Tyrosine, N-[2-[4-(aminomethyl)benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)



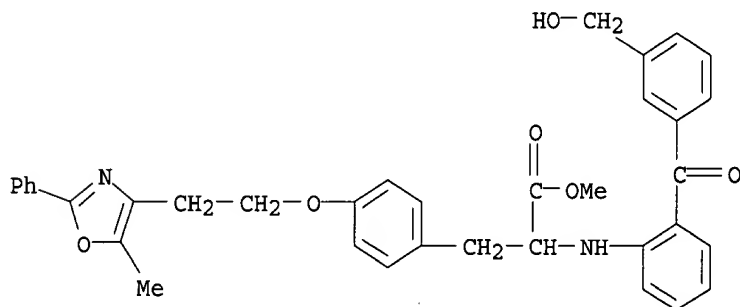
RN 196812-09-6 CAPLUS

CN Tyrosine, N-[2-[3-(methoxycarbonyl)benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)



RN 196812-10-9 CAPLUS

CN Tyrosine, N-[2-[3-(hydroxymethyl)benzoyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)

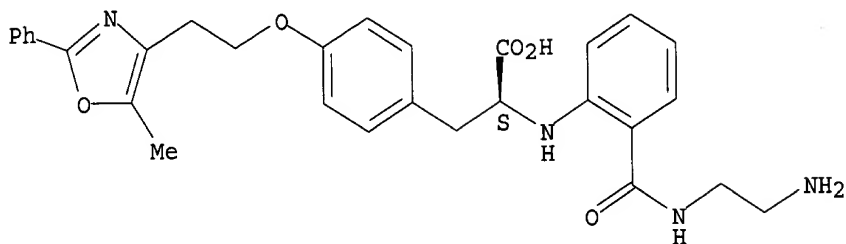


RN 196812-12-1 CAPLUS

CN L-Tyrosine, N-[2-[[2-(2-aminoethyl)amino]carbonyl]phenyl]-O-[2-(5-methyl-2-

phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)

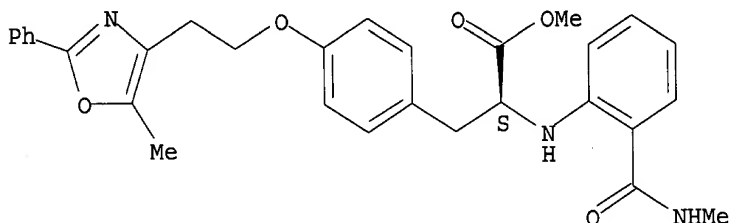
Absolute stereochemistry.



RN 196814-72-9 CAPLUS

CN L-Tyrosine, N-[2-[(methylamino)carbonyl]phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



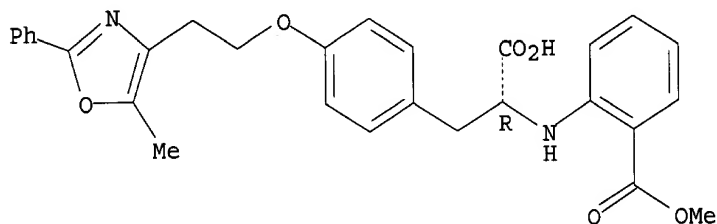
IT 196812-11-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of (hydroxyphenyl)alkanoic acids with agonist activity to PPAR-gamma)

RN 196812-11-0 CAPLUS

CN D-Tyrosine, N-[2-(methoxycarbonyl)phenyl]-O-[2-(5-methyl-2-phenyl-4-oxazolyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L15 ANSWER 75 OF 76 CAPLUS COPYRIGHT 2003 ACS on STN

AB The title stabilizers for plastics are prepd. contg. .gtoreq. 1 heterocyclic group connected to a hydroxybenzophenone, hydroxyphenylbenzotriazole, or hydroxystyrene residue. Thus, 0.18 mol monoterephthaloyl chloride [7377-26-6] in 125 mL THF was slowly added to a soln. of 0.09 mol H2NNH2 and 15 g NaHCO3 in 150 mL H2O to form di-Me 4,4'-(hydrazodicarbonyl)dibenzoate [24000-79-1] (m.p. 295-8.degree.) in a

quant. yield, which (0.056 mol) was refluxed in 100 mL POCl₃ and 200 mL PhMe for 6 h to obtain 80% di-Me 4,4'-(1,3,4-oxadiazole-2,5-diyl)dibenzoate (I) [7531-07-9]. A soln. of 0.042 mol I and 0.1 mol KOH in 700 mL 60% EtOH was refluxed 10 h and acidified with 6N HCl to form the corresponding bis acid [41259-89-6], which was refluxed (0.013 mol) with 50 mL SOCl₂ in 200 mL PhCl for 10 h to produce 90% 4,4'-(1,3,4-oxadiazole-2,5-diyl)bis(benzoyl chloride) (II) [40874-25-7]. A soln. of 0.016 mol II in 150 mL CHCl₃ was added to 0.023 mol 2,4-dihydroxybenzophenone [131-56-6] and 0.023 mol NaOH in 50 mL H₂O, and the mixt. was refluxed 4 h to yield 70% bis(4-benzoyl-3-hydroxyphenyl) 4,4'-(1,3,4-oxadiazole-2,5-diyl)dibenzoate (III) [58764-10-6]. An extruded poly(tetramethylene terephthalate) [24968-12-5] bar contg. 0.5% III had flatwise impact strength 19, 20, and 20 initially, after 300 h, and after 500 h exposure to a Hg lamp, resp.; compared with 17, 6, and 6, resp., for the polymer without the III. Similarly prepd. were 8 other UV stabilizers.

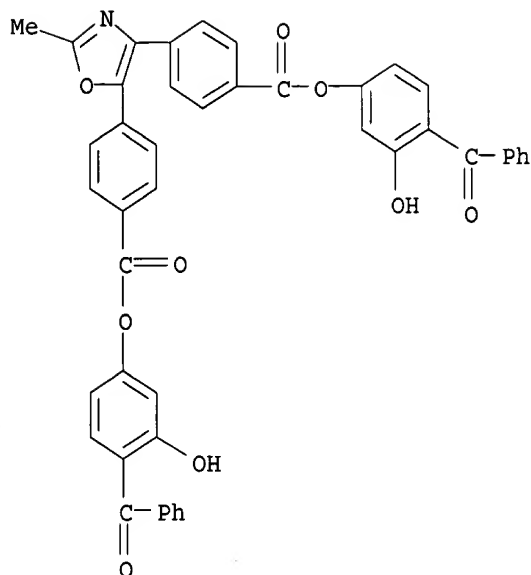
ACCESSION NUMBER: 1977:568757 CAPLUS
DOCUMENT NUMBER: 87:168757
TITLE: Multichromophoric ultraviolet stabilizers for organic compositions
INVENTOR(S): Wang, Richard H. S.; Irick, Gether, Jr.
PATENT ASSIGNEE(S): Eastman Kodak Co., USA
SOURCE: U.S., 9 pp. Division of U.S. 3,936,419.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4043973	A	19770823	US 1975-626521	19751028
US 3936419	A	19760203	US 1974-511570	19741002

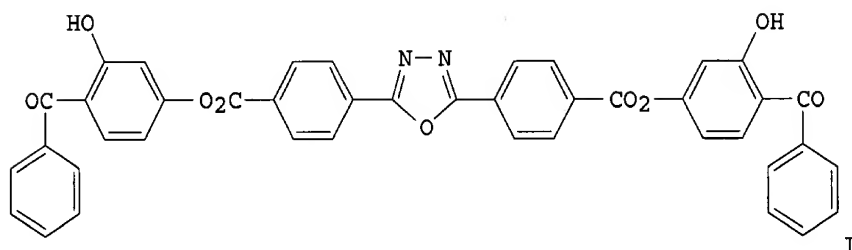
PRIORITY APPLN. INFO.: US 1974-511570 19741002

IT 58790-35-5
RL: USES (Uses)
(UV stabilizers, for poly(tetramethylene terephthalate))

RN 58790-35-5 CAPLUS
CN Benzoic acid, 4,4'-(2-methyl-4,5-oxazolediyl)bis-, bis(4-benzoyl-3-hydroxyphenyl) ester (9CI) (CA INDEX NAME)



L15 ANSWER 76 OF 76 CAPLUS COPYRIGHT 2003 ACS on STN
GI



AB Bis(4-benzoyl-3-hydroxyphenyl) 4,4'-(1,3,4-oxadiazole-2,5-diyl)dibenzoate (I) [58764-10-6] and similar compds. contg. linear chromophores consisting of phenylene, CO, CO₂, and 1,3,4-oxadiazole-2,5-diyl, 1,2,4-triazole-3,5-diyl, or 2,5-oxazolediy units were excellent uv light stabilizers for poly(tetramethylene terephthalate) (II) [24968-12-5]. I was prepd. as follows: treating hydrazine with Me monoterephthaloyl chloride in alk. soln. gave N,N'-bis(p-methoxycarbonylbenzoyl)hydrazine (III) [24000-79-1] in quant. yield; III was cyclized to 2,5-bis(p-methoxycarbonylphenyl)-1,3,4-oxadiazole [7531-07-9] which was demethylated to the corresponding dichloride (IV) [40874-25-7]; condensing IV with 2,4-dihydroxybenzophenone gave I. Similarly, 8 more stabilizers were prepd. of which bis(4-benzoyl-3-hydroxyphenyl)4,4'-(4-methyl-1,2,4-triazole-3,5-diyl)dibenzoate [58764-15-1], and bis(4-benzoyl-3-hydroxyphenyl)4,4'-(2-methyl-4,5-oxazolediy)dibenzoate [58790-35-5] were only slightly less effective than I in protecting II against degrdn. by uv light.

ACCESSION NUMBER: 1976:136671 CAPLUS
DOCUMENT NUMBER: 84:136671
TITLE: Multichromophoric ultraviolet stabilizers and their use in organic compositions

INVENTOR(S): Wang, Richard H. S.; Irick, Gether, Jr.
PATENT ASSIGNEE(S): Eastman Kodak Co., USA
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3936419	A	19760203	US 1974-511570	19741002
US 4043973	A	19770823	US 1975-626521	19751028
PRIORITY APPLN. INFO.:			US 1974-511570	19741002

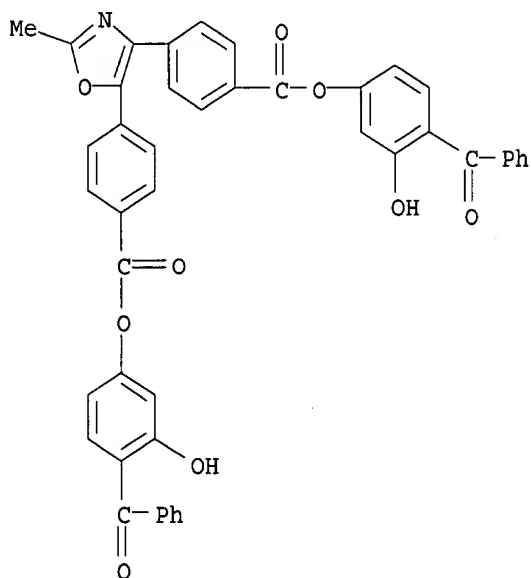
IT 58790-35-5

RL: USES (Uses)

(light stabilizers, for polyesters)

RN 58790-35-5 CAPLUS

CN Benzoic acid, 4,4'-(2-methyl-4,5-oxazolediyl)bis-, bis(4-benzoyl-3-hydroxyphenyl) ester (9CI) (CA INDEX NAME)



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